

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 5 Claim 1 (Currently Amended): A method for determining the compatibility of a working surface with an optical mouse, the optical mouse comprising an optical sensor, the method comprising:
- (a) utilizing the optical sensor to sense ~~[[the]]~~ optical characteristics of the working surface and transmit a corresponding sensing value to a judging circuit;
- 10 (b) utilizing ~~[[a]]~~ the judging circuit to judge the compatibility of the working surface with the optical mouse and to generate a first judging signal if the sensing value falls within a first predefined range or to generate a second judging signal if the sensing value falls within a second predefined range, the first judging signal indicating compatibility of the working surface with the
- 15 optical mouse and the second judging signal indicating incompatibility of the working surface with the optical mouse, according to the optical characteristics sensed by the optical sensor; ~~(c) utilizing the judging circuit to generate a judging signal according to the result obtained in step (b).~~
- 20 Claim 2 (Original): The method of claim 1 further comprises displaying the result of judge obtained in step (b) on a display device according to the judging signal.
- Claim 3 (Original): The method of claim 2 wherein the display device comprises at least one light- emitting device (LED).
- 25 Claim 4 (Original): The method of claim 2 wherein the display device is a liquid crystal display (LCD) device installed on the optical mouse.
- Claim 5 (Original): The method of claim 2 wherein the display device is a monitor of a

computer system.

Claim 6 (Original): The method of claim 1 wherein the judging circuit is a control circuit of the optical mouse.

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Claim 7 (Currently Amended): The method of claim 1 further comprises utilizing the optical sensor to generate ~~[[a]]~~ the sensing value according to the optical characteristics of the working surface sensed by the optical sensor.

10 Claim 8 (Original): The method of claim 7 wherein the judging circuit is a central processing unit (CPU) of a computer system, and step (b) further comprises utilizing the judging circuit to operate the sensing value, in order to judge the compatibility of the working surface with the optical mouse.

15 Claim 9 (Currently Amended): An optical mouse used for determining the compatibility of a working surface, the optical mouse comprising:
an optical sensor for sensing the optical characteristics of the working surface to generate a sensing value;
a judging circuit electrically connected to the optical sensor for generating a first
20 judging signal if the sensing value falls within a first predefined range or a
second judging signal if the sensing value falls within a second predefined
range, the first judging signal indicating compatibility of the working surface
with the optical mouse and the second judging signal indicating
incompatibility of the working surface with the optical mouse; a judging-
25 signal according to the sensing value; and
a display device electrically connected to the judging circuit for displaying the compatibility of the working surface with the optical mouse according to the first or second judging signal.

Claim 10 (Original): The optical mouse of claim 9 wherein the judging circuit is a control circuit of the optical mouse.

5 Claim 11 (Original): The optical mouse of claim 9 wherein the display device comprises at least one LED installed on the optical mouse.

Claim 12 (Original): The optical mouse of claim 9 wherein the display device is an LCD device installed on the optical mouse.

10 Claim 13 (New): The optical mouse of claim 9 further comprising a control circuit electrically connected to the optical.

Claim 14 (New): The optical mouse of claim 13 wherein the control circuit transmits an axial displacement signal to a host computer.

15 Claim 15 (New): The method of claim 1 wherein the optical mouse further comprises a control circuit electrically connected to the optical sensor.

20 Claim 16 (New): The method of claim 15 further comprising the control circuit transmitting an axial displacement signal to a host computer.